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ABSTRACT

Ways now exist for medical laboratory workers to advance up the educational career ladder, gaining credit for prior training and/or experience. A total of 369 Certified Medical Laboratory Assistant Schools, colleges with Associate Degree Medical Laboratory Technicians programs, schools of Medical Technology, and colleges with baccalaureate Medical Technology programs who grant such credit are listed in this directory. Three associate degree programs (two of them external degrees) helpful to laboratory technicians wishing to qualify for MLT (ASCP) certification are also included. With the exception of the simple CLA Schools chart, the other three portions of this directory follow a general format showing credit-granting methods, amounts of credit offered, options for use of that credit, and eligibility. Credit-granting methods shown in the first few columns of each chart include the CLEP examination, local tests made by each institution, and CASE (the Commission on Accreditation of Service Experience of the American Council on Education) evaluations. Another column in each of the three charts indicated whether a demonstration of actual performance is required of candidates in addition to the other methods indicated. Amounts of credit granted are generally shown in terms of semester hour(s) or quarter hour(s). (Author)

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Directory of Credit-Granting Policies in Medical Laboratory Education

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

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DIRECTORY INTRODUCTION

Ways now exist for medical laboratory workers to advance up the educational career ladder, gaining credit for prior training and/or experience.

Educational programs at all levels have begun to grant credit and advanced placement to those who have mastered portions of the course of instruction, according to a survey conducted by the National Committee for Careers in the Medical Laboratory in the winter of 1973-74. A total of 369 Certified Laboratory Assistant Schools, colleges with Associate Degree Medical Laboratory Technician programs, Schools of Medical Technology, and colleges with baccalaureate Medical Technology programs responded that they do grant such credit, and their policies and practices are listed in this directory. Three associate degree programs — two of them external degrees — helpful to laboratory technicians wishing to qualify for MLT(ASCP) certification are also included.

This development has come about since the 1967 Conference on Manpower for the Medical Laboratory, sponsored by NCCML and the Public Health Service. Among the recommendations of that conference: that examinations should be developed to provide increased mobility between levels and categories of laboratory careers.

NCCML's follow-up study on equivalency and proficiency testing — for academic credit and job placement, respectively — found an interest among laboratory educators in granting credit, but identified the need for equivalency examinations by which students could demonstrate their mastery of the subject matter.

The report led to development of a series of four equivalency examinations funded by the NIH Division of Allied Health Manpower, and prepared by Educational Testing Service (ETS) for inclusion in the College-Level Examination Program (CLEP) of the College Entrance Examination Board. The National Accrediting Agency for Clinical Laboratory Sciences (formerly the Board of Schools) worked with ETS to gain support from Medical Technology Schools for the norming of the examinations, and published the resulting information in its newsletter.

CLEP laboratory tests are now available in undergraduate Microbiology and in the clinical fields of Chemistry, Hematology, and Immunohematology-Blood Banking. Other CLEP examinations in undergraduate subjects are accepted by some 1,600 colleges for credit and advanced standing.

NCCML has worked with ETS and CLEP to publicize the laboratory equivalency examinations and stimulate their use. To discover the extent to which the CLEP examinations have been accepted in the laboratory education field, NCCML undertook the survey which resulted in this directory.

In addition to the 369 institutions with policies included in the directory, another 270 of the 1,624 queried indicated they were studying the possibility of adopting such policies.

Individuals making use of this directory should remember that the policies shown here are subject to change. Some are in a developmental stage, and are difficult to fit into the narrow confines of a table of this kind. Only the institution involved can provide definitive detailed information on specific policies.

With the exception of the simple CLA School chart, the other three portions of this directory follow a general format showing credit-granting methods, amounts of credit offered, options for use of that credit, and eligibility.

Credit-granting methods shown in the first few columns of each chart include the CLEP examinations, explained above, local tests made by each institution, and CASE evaluations. CASE, the Commission on Accreditation of Service Experiences, of the American Council on Education, has for nearly 30 years reviewed military service courses and made recommendations to college admissions offices on granting credit for military service courses. Early in 1974, CASE became the Office on Educational Credit, with an expanded role to include the measurement of other forms of nontraditional learning.

Another column in each of the three charts indicates whether a demonstration of actual performance is required of candidates in addition to the other methods indicated.

Amounts of credit granted are generally shown in terms of semester hour(s) or quarter hours (q). Where no maximum (NM) is indicated, that may mean no policy has been adopted, or that unlimited amounts of credit are given, or some policy in between those extremes.

Credit receivers are allowed either to spend a shorter time in the institution's program or to carry a reduced load during the full period of the course. Many institutions offer both of these options.

Eligibility is in many cases open to all students. At some institutions, it is restricted to military veterans, or to CLA or MLT graduates or those certified CLA(ASCP) or MLT(ASCP).

Some addresses for further information:

College-Level Examination Program (CLEP), Educational Testing Service, Box 592, Princeton, New Jersey 08540

National Accrediting Agency for Clinical Laboratory Sciences, 222 South Riverside Plaza, Chicago, Illinois 60606

Regents External Degree Program, New York State Education Department, 99 Washington Avenue, Albany, New York 12210

Thomas A. Edison College, P.O. Box 1293, Trenton, New Jersey 08625



Most Schools of Medical Technology have not yet considered or answered the question of whether to grant credit or advanced placement for prior training and/or experience. Many apparently do not know they have the option to do so, despite the cooperation of the former Board of Schools (now the National Accrediting Agency for Clinical Laboratory Sciences) in the norming of the CLEP examinations, and the support the Board evidenced for use of these examinations by publishing norming information in its Newsletter (#19) early in 1973.

Of 773 Medical Technology Schools which received the NCCML questionnaire, 409 responded. The 34 with policies for granting credit or advanced placement are listed below. Another 129 indicated they are considering adopting such policies. These 34 schools which grant credit do so via several methods: 16 through the CLEP laboratory

examinations, 18 through tests made at their own schools, 6 through CASE recommendations for military courses, and a few through other means.

The majority (22) require a performance demonstration in addition to other methods of establishing credit.

At 21 of these schools, students may use the credit gained in such ways to shorten their time in the program. At 11 schools, this credit serves to reduce the class load for such students, but not to reduce the total training period. Several schools allow either option. Others give some recognition in the admissions process, but not afterward, to those with experience.

Seventeen of the schools which grant credit or advanced placement have no restrictions on eligibility; 9 others limit the opportunity to military veterans, to CLA(ASCP)s or MLT(ASCP)s, or in some other way.

School of medical technology	Credit-granting methods				Performance demonstration	Maximum credit	Options		Eligible		Comments
	CLEP - lab tests	Local tests	CASE	Other			Shorter time	Reduced load	All	Only as noted	
ARIZONA Tucson Medical Center, Tucson		x	x		Yes	-	x		x		Eligibility limited to applicants with BA/BS degree.
CALIFORNIA Loma Linda University Medical Center, Los Angeles		x	x		No	NM	x		x		Accepts only college graduates.
Mount Zion Hospital, San Francisco		x			No	NM		x	x		Accepts only college graduates.
Tripler Army Medical Center, San Francisco					Yes	-	x		x		
COLORADO St. Anthony Hospital, Denver				x	No	-		x	x		Students must attend lectures and demonstrations, but may receive credit for bench experience.
DISTRICT OF COLUMBIA Catholic University of America		x			Yes	50%	x			MLT courses divided so MLT students may start clinical practice in 2nd half of year.	
FLORIDA Bayfront Medical Center, St. Petersburg					-	-	x				Experience weighed in admission of candidates.
St. Mary's Hospital, West Palm Beach				x							Priority in admissions to experienced applicants.
GEORGIA Georgia Baptist Hospital, Atlanta		x			Yes	25%	x			x	Eligibility: those with previous part-time or full-time employment in this laboratory.
ILLINOIS Rockford Memorial Hospital, Rockford	x	x	x		Yes	NM	x	x	x		
MASSACHUSETTS Framingham Union Hospital, Framingham		x			Yes	25%	x		x		
Malden Hospital, Malden				x	No	33%	x			x	Eligibility: students with "B" or better in specific courses at a local university.
MINNESOTA St. Mary's Hospital, Duluth	x				Yes	NM	x		x		
MISSOURI Research Hospital, Kansas City		x			Yes	27%	x		x		
NEW JERSEY Valley Hospital, Ridgewood	x				Yes	50%					

School of medical technology	Credit-granting methods				Performance demonstration	Maximum credit	Options		Eligible		Comments
	CLEP - lab tests	Local tests	CASE	Other			Shorter time	Reduced load	All	Only as noted	
NEW MEXICO University of New Mexico, Albuquerque	x	x			No	100%	x		x		CLA-MLT-MT ladder program.
NEW YORK Millard Fillmore Hospital, Buffalo		x			Yes	-					
NORTH CAROLINA Moses H. Cone Memorial Hospital, Greensboro	x	x	x		Yes	45%	x		x		Eligible student may substitute other subjects not included in the general program.
NORTH DAKOTA St. Alexius Hospital, Bismarck		x		x	Yes	-	x	x		x	Have granted credit to two CLA(ASCP) workers in this laboratory.
OHIO Kettering Medical Center, Kettering St. Elizabeth Hospital, Youngstown	x	x			Yes Yes	NM NM	x	x	x		Credit given through CLEP by affiliated college; MLT credits transferred.
PENNSYLVANIA Latrobe Area Hospital, Latrobe	x										
Mercy Catholic Medical Center, Darby Scranton State General Hospital, Scranton Temple University, Philadelphia	x x x	x			No No Yes	NM - -		x x	x x		Up to 13 of 69 semester hours offered for CLEP; more through challenge exams in med. tech. subjects.
RHODE ISLAND General Hospital, Cranston	x	x			Yes	NM		x		MLT CLA	
SOUTH DAKOTA McKenna Hospital, Sioux Falls	x		x		Yes	NM			x		Students must attend lectures, pass exams.
TE. NESSEE Baptist Hospital, Nashville	x				Yes	-	x			x	Eligible: those with work experience.
TEXAS Hotel Dieu Hospital, El Paso St. Joseph's Hospital, Houston	x x	x	x		Yes Yes	NM NM	x	x	x	Mil.	CLA-MT ladder program.
VIRGINIA Memorial Hospital, Danville Norfolk General Hospital, Norfolk	x x x				No Yes	- 75%				x	Credit applies only to academic work at affiliated colleges. Eligible: Mil., CLA, MLT, experienced laboratory workers.

School of medical technology	Credit-granting methods				Performance demonstration	Maximum credit	Options		Eligible		Comments
	CLEP - lab tests	Local tests	CASE	Other			Shorter time	Reduced load	All	Only as noted	
UTAH St. Mark's Hospital, Salt Lake City		x			Yes	10%		x		Mil. MLT	
VERMONT University of Vermont, Burlington	x				-	33%	x		x		

COLLEGES

Colleges with baccalaureate degree Medical Technology programs have begun to offer ways for those with laboratory training and/or experience to gain appropriate advanced placement.

NCCML surveyed 456 of these four-year colleges, and 331 responded. Included below are the 185 with credit-granting policies. Of the others, 101 indicated they are now considering such policies. Some say such a decision is "up to the affiliated hospital school," declining to take responsibility themselves.

Asked whether they accepted AD-MLT graduates as juniors, 107 said they did — 33 of them extending this policy to all AD-MLTs, 64 only to graduates of programs they are familiar with, and 10 not specifying. It was not always clear from the responses whether these associate degree holders are accorded junior status in the Medical Technology program specifically, or in the institution generally, without the opportunity to move directly ahead in two years to the baccalaureate Medical Technology

degree. AD-MLT graduates are not accepted as juniors at 62 of the colleges listed.

These institutions use all the major methods of granting credit: 93 of them, the CLEP laboratory examinations; 120, other CLEP examinations; 85, tests made on their own campuses; and 72, the recommendations of CASE for military training programs. Nine use other methods, mainly individual case-by-case evaluations.

The baccalaureate colleges are not as likely as the junior colleges to require a demonstration of performance in order to award credit — 50 do have such a requirement, while 106 do not.

The large majority of these institutions — 139 — make no restrictions on eligibility for such credit. Only 13 limit their policies to military veterans, or to CLA or AD-MLT graduates.

Eleven reported they have career ladder programs offering several levels of education with articulation between them.

College/university	Accepts AD-MLT graduates as juniors	Credit-granting methods					Performance demonstration	Maximum credit	Eligible		Comments
		CLEP - lab tests	CLEP - others	Local tests	CASE	Other			All	Only as noted	
ALABAMA University of Alabama, Huntsville Athens College, Athens	No All	x	x	x	x	x	Yes Yes	NM NM	x x		Transfers evaluated individually. Students considered individually. Performance demonstration required only for transfer of low grades.
University of Montevallo, Montevallo Samford University, Birmingham	Some No	x	x			x	No No	30s NM	x x		Evaluate each case individually. Credit for academic work only.
ARIZONA Northern Arizona University, Flagstaff	Some	x	x	x	x		Yes	60s		MLT CLA	
ARKANSAS Arkansas Polytechnic College, Russellville Arkansas State University, State University College of the Ozarks, Clarksville	- All Some		x x x		x		- No No	28s 30s 30s	x x x		Transfer agreements with two MLT programs.
Harding College, Searcy John Brown University, Sildam Springs	Some No	x	x x	x x	x		No No	32s 24s	x x		
CALIFORNIA California State College, Bakersfield California State University, Long Beach Loma Linda University, Loma Linda San Francisco State University, San Francisco San Jose State University, San Jose	- - No - No	x	x	x x x	x		Yes Yes Yes No Yes	NM NM - 33s 30s	x x x x x		
COLORADO Adams State College, Alamosa University of Colorado, Denver Colorado State University, Ft. Collins Southern Colorado State College, Pueblo	All Some No No		x x	x	x		No - Yes -	45q - 64q -	x x x		Individual consideration by affiliated colleges Each case evaluated individually.
CONNECTICUT University of Bridgeport, Bridgeport Quinnipiac College, Hamden Western Connecticut State College, Danbury	All Some No	x	x				No - -	NM 60s -	x x		Part of consortium allied health institute. Decision to use CLEP lab tests is up to hospital school.
DISTRICT OF COLUMBIA Catholic University of America	Some		x	x			Yes	-		MLT	Courses divided so MLT grads may start clinical program in 2nd half of year.

College/university	Accepts AD-MLT graduates as juniors	Credit-granting methods				Performance demonstration	Maximum credit	Eligible		Comments
		CLEP - lab tests	CLEP - others	Local tests	CASE	Other		All	Only as noted	
FLORIDA Florida International University, Miami	Yes									Upper division university with separate track for pre-medical technology students and those who have completed AD-MLT program.
Jacksonville University, Jacksonville	No				x		60s	x		
Stetson University, DeLand	Some		x		x		30s	x		Transfer agreements with two MLT programs.
University of West Florida, Pensacola	Some	x					15q	x		
GEORGIA Georgia Southern College, Statesboro	Some	x	x		x		NM	x		
Savannah State College, Savannah	Some	x	x	x	x		10q	x		
IDAHO Boise State College, Boise	Some	x	x				24s	x		
Idaho State University, Pocatello	No		x				32s	x		
ILLINOIS Augustana College, Rock Island	Some					x	NM	x		Upper division university accommodating pre-medical technology students, AD-MLT graduates and veterans.
The Chicago Medical School, Chicago	Yes						-			
De Paul University, Chicago	No			x			NM	x		Upper division university. Modular curriculum allows credit to MLT graduates, veterans.
Governors State University, Park Forest South	Yes						-			
Greenville College, Greenville	Some	x	x				30s	x		
Illinois State University, Normal	No	x	x				30s	x		
North Park College, Chicago	No	x	x	x			NM	x		
Roosevelt University, Chicago	Some				x		30s	x		
College of St. Francis, Joliet	Some	x			x		96s	x		
Southern Illinois University, Edwardsville	All	x	x	x			112q	x		Credit applies only to B.A., not to B.S. in Medical Technology. Special degree-completion program for MT(ASCP). Maximum credit: 48q. via CLEP: 16q. via CEEB Adv. Placement: 48q. via combination of CEEB & Proficiency Examinations.
INDIANA Bethel College, Mishawaka	All	x	x	x			NM	x		
Butler University, Indianapolis	Some	x	x		x		MN	x		
Indiana State University, Terre Haute	Some	x	x	x			17s		MI/MLT CLA	
Indiana University, Michigan City	Some						-			CLA-MLT-MT ladder program. Also eligible: transfer students.
St. Francis College, Ft. Wayne	Some	x	x		x		-		MI/MLT CLA	

College/university	Accepts AD-MLT graduates as juniors	Credit-granting methods				Performance demonstration	Maximum credit	Eligible		Comments
		CLEP - lab tests	CLEP - others	Local tests	CASE	Other		All	Only as noted ^a	
IOWA Dorat College, Sioux Center Drake University, Des Moines Iowa State University, Ames Mount Mercy College, Cedar Rapids	No Some No Some	x	x	x	x		66s NM NM	x x		Cases decided individually.
KANSAS Baker University, Baldwin City College of Emporia, Emporia Fort Hays Kansas State College, Hays Kansas Newman College, Wichita Kansas State College of Pittsburg, Pittsburg Kansas State University, Manhattan Marymount College of Kansas, Salina St. Mary College, Leavenworth Southwestern College, Winfield	All All No Some All No No Yes Some	x x x x x x x x x	x x x x x x x x x	x x x x x x x x x	x x x x x x x x x		NM NM 30s 30s 30s NM NM NM NM	x x x x x x x x x		Transfer agreements with CLA & MLT programs. Credit given for life experience with academic merit.
Tabor College, Hillsboro	No	x	x	x			32s	x		
KENTUCKY Eastern Kentucky University, Richmond Georgetown College, Georgetown	Some No	x x	x x	x x	x x		NM NM	x x		
LOUISIANA Louisiana Tech University, Ruston Nicholl State University, Thibodaux Southeastern Louisiana University, Hammond University of Southwestern Louisiana, LaFayette Xavier University of Louisiana, New Orleans	Some No Yes All Some	x x x x x	x x x x x	x x x x x	x x x x x		— NM 60s — —	x x		
MARYLAND Columbia Union College, Takoma Park	All	x	x	x			32s	x		MLT-MT ladder program.
MASSACHUSETTS University of Massachusetts, Amherst Northeastern University, Boston Suffolk University, Boston	No — —	x x x	x x x	x x x	x x x		30s — 60s		Nil	MLT-MT graduate degree ladder program. Evening classes.
MICHIGAN Aquinas College, Grand Rapids Calvin College, Grand Rapids Eastern Michigan University, Ypsilanti Madonna College, Livonia Mercy College of Detroit, Detroit Michigan Technological University, Houghton	All Some No All Yes No	x x x x x x	x x x x x x	x x x x x x	x x x x x x	x x x x x x	NM NM NM 30s NM	x x x x x x		Each case evaluated individually. Each case evaluated individually. MLT-MT ladder program.

College/university	Accepts AD-MLT graduates as juniors	Credit-granting methods				Performance demonstration	Maximum credit	Eligible		Comments
		CLEP - lab tests	CLEP - others	Local tests	CASE	Other		All	Only as noted	
MICHIGAN (Continued) Nazareth College, Nazareth	All	x	x		x	x	30s	x		Credit also given for life experience.
Northern Michigan University, Marquette	No	x	x				16s	x		
Siena Heights College, Adrian	All	x	x		x		NM	x		
MINNESOTA Augustburg College, Minneapolis	No		x	x			NM	x	CLA MLT	CLAs and MLTs who can demonstrate proficiency and understanding get advanced assignments.
University of Minnesota, Minneapolis	-						-			
College of St. Scholastica, Duluth	No	x	x				NM	x		
Winona State College, Winona	No				x		NM		Mil	
MISSISSIPPI Jackson State College, Jackson	No	x	x				45q	x		
University of Mississippi, Jackson	No	x	x		x		NM	x		
William Carey College, Hattiesburg	All	x	x		x		68s	x		
MISSOURI University of Missouri, Columbia	-	x	x		x		NM		Mil	Eligible: Military and students with less than 30 hours credit.
Missouri Southern State College, Joplin	Some		x	x			NM	x		
Missouri Western College, St. Joseph	-	x	x		x		30s	x		
Northwest Missouri State University, Maryville	Some	x	x				NM	x		
The School of the Ozarks, Point Lookout	Some	x	x				NM	x		
Southwest Baptist College, Bolivar	No	x	x	x			30s	x		
Southwest Missouri State University, Springfield	Yes	x	x		x		30s	x		
William Jewell College, Liberty	-No		x				NM	x		Transfer agreement with CLA program.
NEBRASKA Dane College, Belair	No		x	x			NM	x		
Kearney State College, Kearney	No	x	x				NM	x		
Nebraska Wesleyan University, Lincoln	No	x	x	x			NM	x		
Union College, Lincoln	No		x	x			32s	x		
Wayne State College, Wayne	All	x	x		x		-			
NEW JERSEY Fairleigh Dickinson University, Teaneck	All	x	x		x		NM	x		Transfer agreement: t with MLT program.
Monmouth College, W. Long Branch	All	x	x		x		96s	x		
NEW MEXICO University of New Mexico, Albuquerque	All	x		x			32s	x		CLA-MLT-MT ladder program.
New Mexico State University, Las Cruces	No		x				30s	x		
College of Santa Fe, Santa Fe	Some	x	x				NM	x		

College/university	Accepts AD-MLT graduates as juniors	Credit-granting methods				Performance demonstration	Maximum credit	Eligible		Comments
		CLEP - lab tests	CLEP - others	Local tests	CASE	Other		All	Only as noted	
NEW YORK										
Hartwick College, Oneonta	All						-		MLT	CLA-MLT-MT ladder through CUNY.
Hunter College, New York City	Some							x		Transfer agreement with MLT program.
Long Island University, Greenvale	All	x	x	x	x		30s			CLA-MLT-MT ladder through CUNY.
Richmond College, Staten Island	Some						-			
Rochester Institute of Technology, Rochester	Some				x		60s	x		
Rosary Hill College, Buffalo	All	x	x				-			
Russell Sage College, Troy	No						MN		MLT	
St. John's University, Jamaica	All	x	x						CLA	
NORTH DAKOTA										
Mary College, Bismarck	No	x	x				NM	x		Oral examination.
Minot State College, Minot	No		x	x			NM	x		
University of North Dakota, Grand Forks	-	x	x	x			-	x		
North Dakota State University, Fargo	Some		x	x			NM	x		
OHIO										
Bowling Green State University, Bowling Green	Yes	x		x	x		90q	x		Transfer agreement with MLT programs within state.
Heidelberg College, Tiffin	No		x	x	x		30s	x		
Malone College, Canton	-		x	x	x		60s	x		
Mount Union College, Alliance	Some	x	x	x	x	x	NM	x		Uses all generally recognized evaluation instruments.
Ohio University, Athens	No			x			-	x		
College of Steubenville, Steubenville	No	x	x	x	x	x	30s	x		Methods: USAFI with college credit; advance placement exams.
Xavier University, Cincinnati	Some		x			x	-	x		
OKLAHOMA										
Central State University, Edmond	All						-			
Northeastern State College, Tahlequah	No		x		x		50s	x		
Oklahoma Baptist University, Shawnee	Yes			x			NM	x		
Oklahoma College of Liberal Arts, Chickasha	All	x	x	x	x		27s	x		
Oklahoma State University, Stillwater	No	x					NM	x		Credit for CLEP microbiology only.
Panhandle State College, Goodwell	No	x	x	x	x		NM	x		
University of Tulsa, Tulsa	No	x	x				36s	x		
OREGON										
George Fox College, Newberg	Some		x	x			90q	x		
Lewis & Clark College, Portland	No		x				NM	x		
Linfield College, McMinnville	All		x	x	x		92s	x		

College/university	Accepts AD-MLT graduates as juniors	Credit-granting methods				Performance demonstration	Maximum credit	Eligible		Comments
		CLEP - lab tests	CLEP - others	Local tests	CASE	Other		All	Only as noted	
PENNSYLVANIA Albright College, Reading Carlow College, Pittsburgh Edinboro State College, Edinboro Gwynedd-Mercy College, Gwynedd Valley Lycoming College, Williamsport Mansfield State College, Mansfield Marywood College, Scranton Temple University, Philadelphia	Some Yes No Some All Some Some Some	x x x x x x x x	x x x x x x x x	x x x x x x x x	x x x x x x x x		60s — NM 30s 64s NM 30s —	x x x x x x x x		Maximum credit: 4-5 semesters. MLT-MT ladder program.
SOUTH DAKOTA Black Hills State College, Spearfish Dakota Wesleyan University, Mitchell Huron College, Huron Northern State College, Aberdeen University of South Dakota, Vermillion South Dakota State University, Brookings	— All Some Some No Some	x x x x x x	x x x x x x	x x x x x x	x x x x x x		32s NM NM NM NM NM	x x x x x x	MLT CLA	MLT-MT ladder program. Consider each case individually.
TENNESSEE Carson-Newman College, Jefferson City David Lipscomb College, Nashville East Tennessee State University, Johnson City Maryville College, Maryville Trevecca Nazarene College, Nashville	All No Some Some All	x x x x x	x x x x x	x x x x x	x x x x x	No	64s 50q NM NM 36q	x x x x x		Transfer agreements with MLT programs.
TEXAS Howard Payne College, Brownwood Incarnate Word College, San Antonio Mary Hardin-Baylor, Belton Midwestern University, Wichita Falls North Texas State University, Denton Southwestern University, Georgetown Sul Ross State University, Alpine Texas A&I University, Corpus Christi Texas Tech University, Lubbock Texas Woman's University, Denton Trinity University, San Antonio	Some No Some Some No No Yes Some No All No	x x x x x x x x x x x x	x x x x x x x x x x x	x x x x x x x x x x x	x x x x x x x x x x x		30s 50s — 30s — 30s — 30s 30s NM NM 12s 30s NM	x x x x x x x x x x x x		MLT-MT ladder program. Candidates for credit must have acceptable work experience. Cooperative program with Sheppard AFB. Advanced placement for freshmen only. Transfer agreement with MLT program.
UTAH University of Utah, Salt Lake City	Some	x	x	x	x			x		

College/university	Accepts AD-MLT graduates as juniors	Credit-granting methods					Performance demonstration	Maximum credit	Eligible		Comments
		CLEP - lab tests	CLEP - others	Local tests	CASE	Other			All	Only as noted	
VIRGINIA Averett College, Danville Longwood College, Farmville Lynchburg College, Lynchburg	All Some Some	x x	x x 	 	x 		No No No	NM NM 30s	x x x		Each case studied on its own merits.
Mary Washington College, Fredericksburg Stratford College, Danville	Some No	x 	x 	x 			No No	60s	x		
VERMONT University of Vermont, Burlington	Some						-				MLT-MT ladder program.
WASHINGTON Central Washington State College, Ellensburg Fort Wright College, Spokane Washington State University, Pullman Wenatchee Valley College, Wenatchee Whitman College, Walla Walla	Some Some No - -	x x 	x 	x x x x x	x x x x		- Yes Yes Yes Yes	90q NM - NM NM	x x x x x		
WEST VIRGINIA West Liberty State College, West Liberty	Some						-	-			
WISCONSIN Alverno College, Milwaukee Carthage College, Kenosha	Some	x 	x x 	x x 	x 		No No	64s -	x x		Each case studied individually. Maximum: 32 credits.
Edgewood College, Madison Viterbo College, La Crosse University of Wisconsin, Platteville University of Wisconsin, Superior University of Wisconsin, Whitewater	Some No No No No	x x x x	 x x x x	x x x x x	 		Yes No Yes No No	NM NM NM NM NM	x x x x x		
WYOMING University of Wyoming, Laramie	Some						-	-			

MLT

The colleges with Associate Degree Medical Laboratory Technician (AD-MLT) programs have shown considerable interest in granting credit, perhaps because they see the problems their own graduates face when they try to go on to Medical Technology degrees. Of 186 AD-MLT programs known to NCCML, 142 responded to the questionnaire; 97 already have credit-granting policies and are included in the directory, while 40 are considering such policies.

The CLEP laboratory examinations are used to grant credit by 67 of these schools, while 39 use other CLEP examinations, 62 use tests made at their own institutions, 37 use the CASE recommendations for crediting military courses, and 22 name other methods, mainly the automatic granting of a certain amount of credit to those who are graduates of a CLA school or are certified CLA(ASCP)s.

Of these institutions, 54 require also a performance demonstration; 33 do not.

To make use of such credit, 72 colleges allow students a shorter time in the AD-MLT program, and 58 allow students to carry reduced loads without shortening the program. Many allow both.

While 60 offer this opportunity to all students, 32 limit it to military veterans or CLA graduates.

Graduates of these programs are apparently now finding it somewhat easier to gain acceptance in Medical

Technology programs if and when they want to go on to upper division work. Asked whether most graduates who wished to go on have become juniors in MT programs, 43 institutions said yes, unreservedly, and 16 others said at least some had done so. While 8 answered no, another 19 (indicated by "No*" in that last column) said no but they were negotiating with four-year colleges to make such transfers possible. At least 16 have career ladder programs articulating CLA, MLT, and/or MT education in one institution.

Three Associate Degree programs listed in this directory are not Medical Laboratory Technician programs, but do offer a trained or experienced laboratory technician the opportunity to qualify for MLT(ASCP) certification by gaining the necessary two years of college. Baylor University has agreed to grant an Associate Degree to graduates of the U.S. Army Academy of Health Sciences 52-week Medical Laboratory Procedures Course at nearby Fort Sam Houston. The External Degree programs of the Regents of the University of the State of New York and of New Jersey's Thomas A. Edison College offer Associate Degrees based on an individual's combination of courses, examinations, and experience, without any requirement of time spent on a college campus.

College with AD-MLT program	Credit-granting methods					Performance demonstration?	Maximum credit	Options		Eligible		Do graduates become juniors?	Comments
	CLEP - lab tests	CLEP - others	Local tests	CASE	Other			Shorter time	Reduced load	All	Only as noted		
ALABAMA University of Alabama, Birmingham						-	-					-	Cooperative program through Regional Technical Institute with State junior colleges, offering CLA/MLT training and AA degree.
Gadsden State Junior College, Gadsden	x					Yes	54q	x			Mil CLA	No*	CLA-MLT ladder program
Jefferson State Junior College, Birmingham			x			Yes	NM		x	x		Yes	
ALASKA Anchorage Community College, Anchorage			x	x	x	No	45s	x			Mil CLA	No*	CLA-MLT ladder program. Transfer credit to CLA school graduates or CLA(ASCP)s.
ARIZONA Maricopa Technical College, Phoenix					x	No	24s	x			CLA	No	CLA-MLT ladder program. Transfer credit to CLA school graduates or CLA(ASCP)s.
COLORADO Arapahoe Community College, Littleton	x		x			Yes	NM	x		x		No*	
CONNECTICUT Housatonic Community College, Bridgeport	x				x	No	20s	x	x		CLA	Yes	Transfer credit to CLA school graduates or CLA(ASCP)s.
Manchester Community College, Manchester					x	No	30s	x			CLA	Some	Transfer credit to CLA school graduates or CLA(ASCP)s.
DELAWARE Delaware Technical & Community College, Georgetown	x	x	x			Yes	No	x	x	x		Yes	
DISTRICT OF COLUMBIA George Washington University, Washington, D.C.	x	x		x		No	49s	x			Mil	Yes	Eligible: graduates of Navy 8417 school.
FLORIDA Broward Community College, Ft. Lauderdale		x	x	x	x	No	30s	x		x		-	Part-time evening course for full-time workers; CLA-MLT ladder program with nearby CLA school.
Florida Junior College of Jacksonville, Jacksonville	x	x	x	x		Yes	NM	x			Mil CLA	No	CLA-MLT ladder program.
Miami-Dade Community College, Miami		x	x	x		Yes	NM	x	x	x		Yes	Accepts transfers from all accredited CLA programs.
Palm Beach Junior College, Lake Worth	x	x	x		x	-	NM	x	x		CLA	Yes	Transfer credit available to CLA(ASCP)s and employed CT(AMT)s or RMTs.
St. Petersburg Junior College, St. Petersburg			x			Yes	-	x	x		Mil CLA	-	
Valencia Community College, Orlando	x		x			Yes	NM	x	x	x		Yes	

College with AD-MLT program	Credit-granting methods				Performance demonstration?	Maximum credit	Options		Eligible		Do graduates become juniors?	Comments
	CLEP - lab tests	CLEP - others	Local tests	CASE			Shorter time	Reduced load	All	Only as noted		
GEORGIA Brunswick Junior College, Brunswick Clayton Junior College, Morrow Dalton Junior College, Dalton DeKalb Community College, Clarkston	x	x x	x		Yes No - No	40q 60q NM 30s	x x x x	x x	x	CLA Mil CLA	No* Yes Yes No*	Transfer credit to CLA graduates or CLA(ASCP)s.
ILLINOIS Belleville Area College, Belleville Central YMCA Community College, Chicago Illinois Central College, E. Peoria College of Lake County, Grayslake Moraine Valley Community College, Palos Hills Sauk Valley College, Dixon	x			x	No	30s	x			Mil CLA	Yes Yes Some Some Some	Some transfer credit (11 hours) to CLA graduates or CLA(ASCP)s. CLA-MLT ladder agreement with CLA school. Credit available to persons currently employed in laboratories.
INDIANA Indiana University, Michigan City	x	x	x		Yes	16s 16s 25s NM 15s	x	x x x x x	x x x x x	CLA CLA	Yes	CLA-MLT-MT ladder program. Transfer credit to CLA graduates or CLA(ASCP)s.
KENTUCKY Ashland Community College, Ashland Southeast Community College, Cumberland	x x				- No	- 30s	x		x	CLA	No*	Transfer credit to CLA graduates and CLA(ASCP)s.
MARYLAND Allegany Community College, Cumberland Catonsville Community College, Baltimore Columbia Union College, Takoma Park Essex Community College, Baltimore Montgomery Community College, Takoma Park	x x x x x	x x x x x	x x x x x		No No Yes Yes Yes	15s NM 32s 35s 32s	x x x x x	x x x x x	x x x x x		- Yes Yes Some Yes	MLT-MT ladder program.
MASSACHUSETTS Middlesex Community College, Bedford Springfield Technical Community College, Springfield	x	x	x	x	Yes	-	x	x	x		No*	CLA-MLT ladder program.
MICHIGAN Highland Park Community College, Highland Park Lake Michigan College, Benton Harbor	x	x		x	No Yes	NM 45s	x x	x	x	Mil CLA	Yes No*	Credit granted on transfer from recognized colleges.

College with AD-MLT program	Credit-granting methods				Performance demonstration?	Maximum credit	Options		Eligible		Do graduates become juniors?	Comments
	CLEP — lab tests	CLEP — others	Local tests	CASE	Other		Shorter time	Reduced load	All	Only as noted		
MICHIGAN (Continued) Macomb County Community College, Mt. Clemens Mercy College of Detroit, Detroit Northern Michigan University, Marquette Oakland Community College, Union Lake	x x x x	x x x	x x x x	x		NM 47s 8s 25s	x x x	x x x x	x x x x		— Yes Yes Yes	MLT-MT ladder program.
MISSOURI Three Rivers Community College, Poplar Bluff												Cooperative CLA-MLT ladder program with CLA school.
NEW HAMPSHIRE Colby College-New Hampshire, New London	x		x	x		—	x		x		Yes	Each case handled individually; normally no more than 10 courses accepted.
New Hampshire Vocational Technical College, Claremont	x	x	x			48q	x	x	x		—	CLA-MLT ladder program.
NEW JERSEY Atlantic Community College, Mays Landing	x					30s	x			Mil CLA	No	Also eligible: those with sufficient experience and/or training in the field.
Brookdale Community College, Long Branch Burlington County College, Pemberton Camden County College, Blackwood Mercer County Community College, Trenton	x x x x	 x	x x x x	x x x x		NM 15s 30s 45s	x x x	x x x	x x x		— Yes Yes No*	
Middlesex County College, Edison Union County Technical Institute, Scotch Plains	x x	x x	x x	x		30s 10s	x x	x x	x x		Yes Yes	
NEW MEXICO University of New Mexico, Albuquerque	x		x			35s	x		x		Some	CLA-MLT-MT ladder program.
NEW YORK Bronx Community College, Bronx Erie Community College, Buffalo Hostos Community College, Bronx Hudson Valley Community College, Troy New York City Community College, New York	x x x x	x x x	x x x	x x	x	12s 30s — 30s —	x x x x x	x x x x x	x x x x x		— Yes Yes Yes Yes	Maximum credit: 16 credits. Accepts transfer credit. Offers only exemption from courses; studying policy regarding credit.
North Country Community College, Saranac Lake				x	x	6s	x	x		Mil CLA	No*	Credit granted for experience. Each case evaluated individually.
Onondaga Community College, Syracuse				x	x	—	x	x	x		Yes	
Orange County Community College, Middletown Queensborough Community College, Bayside	x x	x x	x x	x x	x	NM NM	x x	x x	x x		Yes Yes	MLT courses can be waived; other credits must be substituted.

College with AD-MLT program	Credit-granting methods				Performance demonstration?	Maximum credit	Options		Eligible		Do graduates become juniors?	Comments
	CLEP - lab tests	CLEP - others	Local tests	CASE	Other		Shorter time	Reduced load	All	Only as noted		
NEW YORK (Continued) Staten Island Community College, Staten Island			x			Yes	x		x		Yes	CLA-MLT ladder, plus transfer to MT program at other CUNY colleges.
SUNY, Canton	x					Yes					Yes	
SUNY, Delhi	x		x			Yes	x		x	CLA	Yes	Credit available to any person with work experience.
SUNY, Farmingdale	x		x	x	x	No	x		x		Yes	Hospital experience credited in lieu of 3-credit practicum course.
SUNY, Morrisville		x		x		No	x		x		Yes	
NORTH CAROLINA Western Piedmont Community College, Morganton	x	x	x		x	—	x	x		CLA	Yes	CLA work experience credited toward practicum.
NORTH DAKOTA Turtle Mountain School of Para Medical Technique, Bottineau				x	x	No	x			Mil CLA	Yes	Credit also available to transfers from 4-year program.
OHIO Cincinnati Technical College, Cincinnati Lakeland Community College, Mentor Rio Grande College, Rio Grande Scioto Technical College, Lucasville	x	x	x	x		No Yes Yes No	x x x x	x x	x x x		No No* No No*	
OKLAHOMA Connors State College, Warner Northern Oklahoma College, Tonkawa Oscar Rose Junior College, Midwest City Tulsa Junior College, Tulsa	x	x	x	x		NM 30s 30s 18s	x x x x		x x x		No* Some No* Some	
PENNSYLVANIA Gwynedd-Mercy College, Gwynedd Valley Harrisburg Area Community College, Harrisburg	x	x	x	x		No —	x x		x x	CLA	Yes No*	Transfer credit to CLA school graduates or CLA(IASCP)s.
RHODE ISLAND Rhode Island Junior College, Warwick	x		x	x		No		x		Mil CLA	Yes	CLA-MLT ladder program. Credit available to those with work experience.
SOUTH CAROLINA Midlands Technical Education Center, Columbia Spartanburg Technical Education Ctr., Spartanburg			x		x	No No	x x			CLA	Some No*	Credit granted through transcripts and verification letters. CLA-MLT ladder program. Transfer credit to CLA school graduates or CLA(IASCP)s.

College with AD-MLT program	Credit-granting methods				Performance demonstration?	Maximum credit	Options		Eligible		Do graduates become juniors?	Comments
	CLEP - lab tests	CLEP - others	Local tests	CASE	Other		Shorter time	Reduced load	All	Only as noted		
SOUTH CAROLINA (Continued) Tri-County Technical Institute, Pendleton	x	x	x	x		NM	x	x	x		Some	Requires reference from last employer re performance.
SOUTH DAKOTA Presentation College, Aberdeen	x	x	x	x		32s	x			Mil CLA	Yes	All graduates have been required to take full 12 month internship in MT programs.
TENNESSEE Columbia State Community College, Columbia	x				x	30s	x		x		No*	Credit given after evaluation by clinical instructors.
TEXAS El Centro College, Dallas Laredo Junior College, Laredo Midwestern University, Wichita Falls	x x x		x		x	45s 15s 30s	x x x	x x x	x x x		Some Some Some	CLA-MLT ladder program. MLT-MT ladder program. Candidate for credit must have acceptable work experience. Cooperative program with Sheppard AFB.
Odesa College, Odessa St. Philip's College, San Antonio Tarrant County Junior College, Hurst Temple Junior College, Temple	x x x	x x x	x x x	x x		40s 32s 27s 30s	x x x x	x x x x	x x x	CLA	No Some No No*	CLA-MLT ladder program. Credit only available to students in College's CLA program.
VERMONT Vermont College Division of Norwich University, Montpelier University of Vermont, Burlington	x x	x		x		30s 18s	x x	x		Mil CLA	No* Yes	Credit also available to transfers from our MT program. MLT-MT ladder program.
WEST VIRGINIA Central Virginia Community College, Lynchburg Marymount College of Virginia, Arlington Northern Virginia Community College, Alexandria	x x x		x x	x		52q NM 45q		x x x	x	Mil CLA	Yes Some No	Also eligible: working laboratory personnel with 5 years' experience.

College with AD-MLT program	Credit-granting methods				Performance demonstration?	Maximum credit	Options		Eligible		Do graduates become juniors?	Comments
	CLEP — lab tests	CLEP — others	Local tests	CASE	Other		Shorter time	Reduced load	All	Only as noted		
Other associate degree equivalency programs of special interest to establish eligibility for Medical Laboratory Technician — MLT(ASCP) — certification:												
NEW JERSEY Thomas A. Edison College, Trenton	x	x	x	x	x	100%			x			External degree program; credit granted in a variety of ways; no on-campus requirement.
NEW YORK Regents of the University of the State of New York, New York City	x	x	x	x	x	100%			x			External degree program; credit granted in a variety of ways; no on-campus requirement.
TEXAS Baylor University, Houston					x	100%				Nil		Cooperative program with U.S. Army Academy of Health Sciences, Sam Houston; awards associate degree (not MLT) to graduates of 52-week Medical Laboratory Procedures course.

CLA

Of 209 CLA schools surveyed, 115 responded, and 53 have had at least some experience with credit-granting and are listed below. Most of them have not had occasion to grant credit to incoming students; only 17 indicated they had done so. More have had experience with credit-granting at the end of their programs; 47 indicated their graduates

have been accepted with at least some credit in Medical Laboratory Technician or Medical Technology programs. Of these, 26 have formal career ladder programs, offering upward mobility either within the same institution or in cooperation with other institutions which have agreed to accept students with transfer credit.

CLA school	Have granted credit for training/experience	Graduates accepted in MT or MLT with credit	Comments
ALABAMA			
Baptist Memorial Hospital, Gadsden	—	Yes	Transfer agreement with MLT programs.
Southeast Alabama General Hospital, Dothan	—	Yes	
ARKANSAS			
St. Vincent Infirmary, Little Rock	—	Yes	
CONNECTICUT			
Hartford Hospital, Hartford	—	Yes	CLA-MLT ladder program.
West Haven V.A. Hospital, West Haven	—	Yes	Transfer agreement with MLT programs.
Windham Community Memorial Hospital, Willimantic	Yes	Yes	Transfer agreement with MLT programs.
DISTRICT OF COLUMBIA			
D.C. General Hospital, Washington, D.C.	Yes	—	
FLORIDA			
Bethesda-Kennedy Hospitals, Boynton Beach	Yes	Yes	Transfer agreement with MLT programs.
Florida Junior College, Jacksonville	Yes	Yes	CLA-MLT ladder program. Transfer agreement with MLT programs.
Sheridan Vocational Center, Hollywood	—	Yes	Transfer agreement with MLT programs.
GEORGIA			
Memorial Hospital, Waycross	—	Yes	Transfer agreement with MLT programs.
North Georgia Technical & Vocational School, Clarksville	—	Yes	
ILLINOIS			
Blessing Hospital, Quincy	Yes	Yes	Transfer agreement with MLT programs.
St. Elizabeth's Hospital, Chicago	Yes	Yes	Transfer agreement with MLT programs.
Triton College, River Grove	—	Yes	CLA-MLT ladder program.
INDIANA			
Clinic Hospital, Bluffton	—	Yes	
Lakeshore Medical Laboratory Training Programs, Inc., Michigan City	Yes	Yes	CLA-MLT ladder program with Indiana University.
Thornton-Haymond-Costin-Buehl, Indianapolis	—	Yes	Ball State University allows graduates to challenge some of 4th year.
Indiana Vocational Technical College, Lafayette	—	Yes	CLA-MLT ladder program.
IOWA			
Des Moines Area Community College, Ankeny	—	Yes	CLA-MLT ladder program.
Scott Community College, Davenport	Yes	Yes	
MAINE			
Augusta General Hospital, Augusta	—	Yes	
MASSACHUSETTS			
Blue Hills Regional Vocational Technical Institute, Canton	—	Yes	
North Shore Community College, Lynn	—	Yes	CLA-MLT ladder program.
Springfield Technical Community College, Springfield	—	Yes	CLA-MLT ladder program.
MINNESOTA			
Alexandria Area Technical Institute, Alexandria	Yes	Yes	
Medical Institute of Minnesota, Minneapolis	Yes	—	
NEW HAMPSHIRE			
New Hampshire Vocational Technical College, Claremont	—	Yes	CLA-MLT ladder program.
NEW JERSEY			
Hunterdon Medical Center, Flemington	—	—	Transfer agreement with MLT programs.
St. Francis Hospital, Trenton	—	Yes	
NEW MEXICO			
University of New Mexico, Albuquerque	Yes	Yes	CLA-MLT-MT ladder program.

CLA school	Have granted credit for training/experience	Graduates accepted in MT or MLT with credit	Comments
NEW YORK			
Champlain Valley Physicians Hospital Medical Center, Plattsburgh	—	Yes	Transfer agreement with MLT programs.
Our Lady of Lourdes Hospital, Binghamton	—	Yes	
USPHS Hospital, Staten Island	—	Yes	
NORTH CAROLINA			
W. W. Holding Technical Institute, Raleigh	Yes	—	
OHIO			
Cuyahoga Community College, Cleveland	—	Yes	
Lorain Community Hospital, Lorain	Yes	Yes	
Middletown Hospital, Middletown	—	Yes	
OKLAHOMA			
Midwest City Memorial Hospital, Midwest City	—	Yes	Transfer agreement with MLT programs.
PENNSYLVANIA			
Holy Spirit Hospital, Camp Hill	—	—	Transfer agreement with MLT programs.
Allegheny Valley Hospital, Natrona Heights	—	Yes	
Sacred Heart Hospital, Norristown	—	Yes	
Murrell Dobbins Area Vocational Technical School, Philadelphia	—	Yes	
RHODE ISLAND			
Rhode Island Junior College, Warwick	—	Yes	CLA-MLT ladder program.
SOUTH CAROLINA			
Spartanburg General Hospital	—	Yes	CLA-MLT ladder program.
TENNESSEE			
Cumberland Technical Center, Cookeville	Yes	—	
Knoxville City School System, Knoxville	—	Yes	
TEXAS			
School of Health Care Sciences, Sheppard AFB	Yes	Yes	Bypass test available for 90430 specialist, CLA-MLT-MT ladder program with Midwestern University.
VIRGINIA			
Norfolk City Schools & Medical Center Hospitals, Norfolk	Yes	Yes	
Lewis-Gale Hospital, Salem	—	Yes	
WASHINGTON			
Clover Park Vocational Technical School, Tacoma	—	Yes	
WEST VIRGINIA			
Bluefield Sanitarium, Bluefield	—	Yes	
WISCONSIN			
District One Technical Institute, Eau Claire	Yes	Yes	CLA-MLT ladder program.